

Amendments To The Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8. (Canceled)

9. (New) An engine having an air tank which stores 2-4 times compressed and heated air or mixed fuel gas with a constant temperature and pressure temporarily under given conditions in order to make the air or the gas inhale into cylinder liner so that the total length of piston and liner can be shortened,

wherein the air tank has a valve for controlling a constant temperature of the compressed and heated air or mixed gas and provision into the tank for storing temporarily, and

wherein the air tank further has a temperature regulator.